



10007489.022802

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: Frayne, Elizabeth Gay

(ii) TITLE OF INVENTION: Microbial Production of Nuclease Resistant DNA, RNA, and Oligo Mixtures

(iii) NUMBER OF SEQUENCES: 2

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Frayne, Elizabeth Gay

(B) STREET: 2027 Galvin Ln. #1

(C) CITY: Diamond Bar

(D) STATE: California

(E) COUNTRY: USA

(F) ZIP: 91765

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Diskette, 3.50 inch 1.4 MB

(B) COMPUTER: IBM

(C) OPERATING SYSTEM: Windows 98

(D) SOFTWARE: Microsoft Word

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US 10/007,489

(B) FILING DATE: 12/05/2001

(C) CLASSIFICATION: 435/41, 435/71, 435/91, 435/131, 435/154, 435/172,
435/183; 935, 536/27

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION (PROVISIONAL) NUMBER: US 60/100,231

(B) FILING DATE: 9/14/98

(D) DATE:1995

(E) RELEVANT RESIDUES IN SEQ ID NO: 1: 10-31

(vii) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

GAG GTT GCT GCT TTG GTT ATT G

(3) INFORMATION FOR SEQ ID NO: 2:

(i)SEQUENCE CHARACTERISTICS:

(A) LENGTH: 22 bp

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE:

(A)DESCRIPTION: genomic DNA

(iii) HYPOTHETICAL: no

(iv) ANTI-SENSE: yes

(v) ORIGINAL SOURCE:

(A) ORGANSIM: *Saccharomyces cerevisiae*

(B) STRAIN: YFLO39C genomic clone

(vi) PUBLICATION INFORMATION:

(A) AUTHORS: MURAKAMI Y., NAITOU M., HAGIWARA H., SHIBATA T.,
OZAWA M., SASANUMA S.I., SASANUMA M., TSUCHIYA Y., SOEDA E., YOKOYAMA K.,
YAMAZAKI M., TASHIRO H., EKI T.

(B) TITLE: Analysis of the nucleotide sequence of chromosome VI from
Saccharomyces cerevisiae.

(C) JOURNAL: Nature Genet.

(D) VOLUME: 10

(B) PAGES: 261-268

(C) APPLICATION (PROVISIONAL) NUMBER: 60/152,371

(D) FILING DATE: 9/07/99

(viii) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (909)861-2111/860-7415

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 22 bp

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE:

(A) DESCRIPTION: genomic DNA

(iii) HYPOTHETICAL: no

(iv) ANTI-SENSE: no

(v) ORIGINAL SOURCE:

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OZAWA M., SASANUMA S.I., SASANUMA M., TSUCHIYA Y., SOEDA E., YOKOYAMA K.,
YAMAZAKI M., TASHIRO H., EKI T.

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(D) VOLUME: 10

(C) PAGES: 261-268